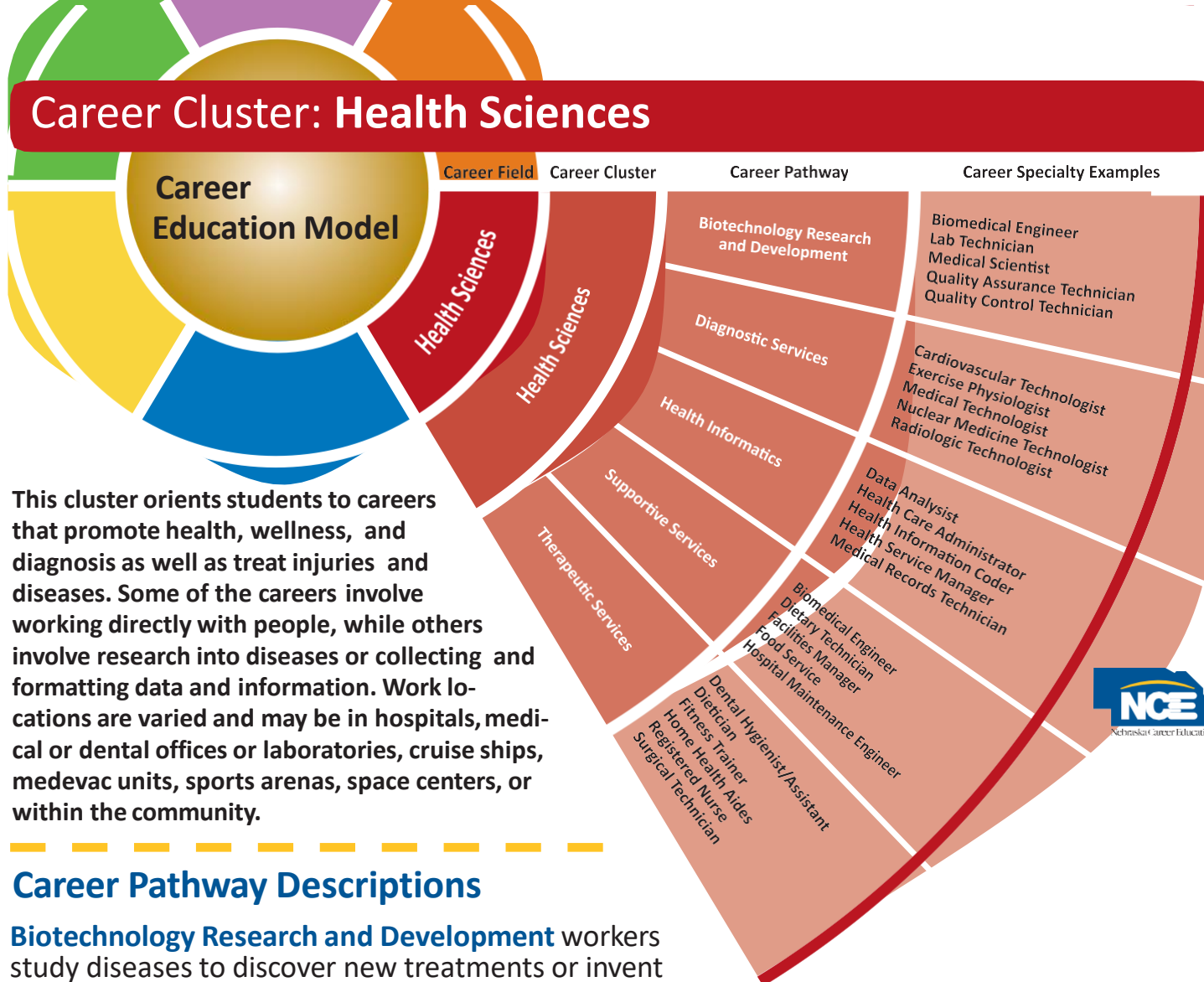


Career Cluster: Health Sciences



This cluster orients students to careers that promote health, wellness, and diagnosis as well as treat injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, cruise ships, medevac units, sports arenas, space centers, or within the community.

Career Pathway Descriptions

Biotechnology Research and Development workers study diseases to discover new treatments or invent medical devices used to directly assist patients or to improve the accuracy of diagnostic tests.

Diagnostic Services workers use tests and evaluations that aid in the detection, diagnosis and treatment of diseases, injuries or other physical conditions.

Health Informatics workers occupy many different levels of health care related employment. This pathway includes health care administrators who manage health care agencies as well as those individuals who are responsible for managing all of the patient data and information, financial information, and computer applications related to health care processes and procedures.

Support Services workers provide a therapeutic environment for the delivery of health care. Support Services offers a full range of career opportunities from entry level to management, including technical and professional careers.

Therapeutic Services workers are focused primarily on changing the health status of the patient over time. Health professionals in this path- way work directly

*Are science classes your favorite?
Do you enjoy helping people?
Have you served as a volunteer in a hospital?
Do you follow instructions exactly?
Can you work fast in an emergency?
Do you take good notes in class?*

<https://azcis.intocareers.org/VideoPlayer.aspx?VideoFileNum=00-000008>

2:40 minutes video on this career cluster (you must be logged into AZCIS to see video)

Occupations Examples

Levels of Education and Earnings*

* Data from AZCIS

	National Annual Median Wage	Arizona Annual Median Wage
Moderate-Term, On-the-Job Training (One to Twelve Months)		
Pharmacy Technicians	\$30,410	\$32,040
Long-Term, On-the-Job Training (Over One Year)		
Opticians	\$34,840	\$37,330
Postsecondary Vocational Training (Certificate or Diploma)		
Dental Assistants	\$35,980	\$35,940
Licensed Practical Nurses	\$43,170	\$49,760
Nursing Assistants	\$25,710	\$28,420
Surgical Technologists	\$44,330	\$48,770
Associate Degree		
Cardiovascular Technologists and Technicians	\$54,880	\$59,370
Dental Hygienists	\$72,330	\$86,660
Physical Therapist Assistants	\$55,170	\$43,050
Radiation Therapists	\$80,220	\$78,570
Registered Nurses	\$67,490	\$71,510
Veterinary Technologists and Technicians	\$31,800	\$28,790
Bachelor's Degree		
Athletic Trainers	\$44,670	\$39,850
Biomedical Engineers	\$86,220	\$88,980
Dietitians	\$57,910	\$53,130
Exercise Physiologists	\$47,010	\$54,010
Work Experience Plus a Bachelor's or Higher Degree		
Health Services Administrators	\$94,500	\$92,780
Master's Degree		
Nurse Anesthetists	\$157,140	\$137,900
Nurse Practitioners	\$98,190	\$104,120
Physical Therapists	\$84,020	\$83,440
Physician Assistants	\$98,180	\$97,990
Professional Degree		
Allergists and Immunologists	\$166,400+	not available
Anesthesiologists	\$166,400+	not available
Chiropractors	\$64,440	\$61,630
Dentists	\$119,740 - \$166,400+	\$166,710
Family and General Practitioners	\$184,390	\$156,030
Obstetricians and Gynecologists	\$166,400+	not available
Optometrists	\$103,900	\$111,180
Pediatricians	\$170,300	\$144,350
Pharmacists	\$121,500	\$123,970
Surgeons	\$166,400+	not available
Veterinarians	\$88,490	\$86,000
Doctoral Degree		
Audiologists	\$73,410 - \$74,890	\$68,690 - \$71,190
Medical Scientists	\$69,450 - \$82,240	\$50,030 - \$62,970



Career Plan of Study

Learner Name _____



































Date _____

Learner Signature _____

Advisor Signature _____

Parent/Guardian Signature (if required) _____

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

High School	9 th Grade		10 th Grade		11 th Grade		12 th Grade		
	English I		English II		English III		English IV		
	Algebra I or Geometry		Geometry or Algebra II		Algebra II, Trigonometry or Pre-Calculus		Pre-Calculus, Trigonometry or Calculus		
	Biology I		Chemistry I		Anatomy & Physiology or Physics		AP Biology or AP Chemistry		
	Geography/State History		World History		American History		Economics/Government		
	Required Electives PE, Health, Art, Foreign Language, or Computer Technology		Required Electives PE, Health, Art, Foreign Language, or Computer Technology		Additional High School Electives Introduction to Health Science Medical Terminology Sports Medicine Health Accounting Additional Science coursework		Technology Center Options Health Science Technology Health Careers Certification Nursing Option Dental Assisting Medical Assisting		
Career Electives Health or Health Academy Classes		Career Electives Health or Health Academy Classes							
Post-Secondary	Career/Technical College			Community College			College/University		
	 Practical Nursing  Dental Assisting  Emergency Medical Technician  Occupational Therapist Assistant  Physical Therapist Assistant  Surgical Technology  Advanced Unlicensed Assistant			 Dental Hygienist  Occupational Therapy Assisting  Orthotic Prosthetics Technician  Physical Therapy Assistant  Radiologic Technologist  Respiratory Care  Biotechnology			 Dentist  Nursing  Medical Technologist  Doctor of Osteopathic Medicine  Pharmacist  Physical Therapist  Physician  Veterinarian Science		
Career Enhancement Options	Work-based Learning Options			Short-Term Training Options					
	Job-Shadowing: Internship/Mentorship: On-The-Job Training:			 Certified Nurse Aid  Certified Medication Aide  CPR / First Aid Certification  Alzheimer's / Geriatric Care Training  Phlebotomy  Medical Coding		 EKG Technician  Pharmacy Technician  Central Sterile Processing Technician  Veterinary Assistant  Medical Transcriptionist  Conversational Spanish			